

# Stefan Milz

## List of Publications by Citations

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167  
papers

6,847  
citations

42  
h-index

76  
g-index

192  
ext. papers

7,682  
ext. citations

3.8  
avg. IF

5.42  
L-index

#	Paper	IF	Citations
167	Where tendons and ligaments meet bone: attachment sites (enthese <del>s</del> ) in relation to exercise and/or mechanical load. <i>Journal of Anatomy</i> , <b>2006</b> , 208, 471-90	2.9	546
166	The skeletal attachment of tendons--tendon "enthese <del>s</del> ". <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2002</b> , 133, 931-45	2.6	387
165	Hydroxyapatite scaffolds for bone tissue engineering made by 3D printing. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2005</b> , 16, 1121-4	4.5	350
164	Structure-function relationships in tendons: a review. <i>Journal of Anatomy</i> , <b>2008</b> , 212, 211-28	2.9	288
163	Characterization of osteosarcoma cell lines MG-63, Saos-2 and U-2 OS in comparison to human osteoblasts. <i>Anticancer Research</i> , <b>2004</b> , 24, 3743-8	2.3	255
162	Comparison of mesenchymal stem cells from bone marrow and adipose tissue for bone regeneration in a critical size defect of the sheep tibia and the influence of platelet-rich plasma. <i>Biomaterials</i> , <b>2010</b> , 31, 3572-9	15.6	246
161	Dual role of CCR2 during initiation and progression of collagen-induced arthritis: evidence for regulatory activity of CCR2+ T cells. <i>Journal of Immunology</i> , <b>2004</b> , 172, 890-8	5.3	155
160	Determination of knee joint cartilage thickness using three-dimensional magnetic resonance chondro-crassometry (3D MR-CCM). <i>Magnetic Resonance in Medicine</i> , <b>1996</b> , 36, 256-65	4.4	137
159	Variations in gene and protein expression in human nucleus pulposus in comparison with annulus fibrosus and cartilage cells: potential associations with aging and degeneration. <i>Osteoarthritis and Cartilage</i> , <b>2010</b> , 18, 416-23	6.2	122
158	Osseointegration of zirconia and titanium dental implants: a histological and histomorphometrical study in the maxilla of pigs. <i>Clinical Oral Implants Research</i> , <b>2009</b> , 20, 1247-53	4.8	120
157	Inhibition of neointima formation by a novel drug-eluting stent system that allows for dose-adjustable, multiple, and on-site stent coating. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 748-53	9.4	117
156	Non-invasive determination of cartilage thickness throughout joint surfaces using magnetic resonance imaging. <i>Journal of Biomechanics</i> , <b>1997</b> , 30, 285-9	2.9	114
155	Efficacy and safety of extracorporeal shock wave therapy for orthopedic conditions: a systematic review on studies listed in the PEDro database. <i>British Medical Bulletin</i> , <b>2015</b> , 116, 115-38	5.4	101
154	The distribution of cartilage thickness within the joints of the lower limb of elderly individuals. <i>Journal of Anatomy</i> , <b>1998</b> , 193 ( Pt 2), 203-14	2.9	98
153	In vivo performance of zirconia and titanium implants: a histomorphometric study in mini pig maxillae. <i>Clinical Oral Implants Research</i> , <b>2012</b> , 23, 281-6	4.8	97
152	Polychrome labeling of bone with seven different fluorochromes: enhancing fluorochrome discrimination by spectral image analysis. <i>Bone</i> , <b>2005</b> , 37, 441-5	4.7	97
151	The functional anatomy of the human anterior talofibular ligament in relation to ankle sprains. <i>Journal of Anatomy</i> , <b>2002</b> , 200, 457-65	2.9	93

150	Three-dimensional reconstructions of the Achilles tendon insertion in man. <i>Journal of Anatomy</i> , <b>2002</b> , 200, 145-52	2.9	90
149	Substance P and Prostaglandin E2 Release After Shock Wave Application to the Rabbit Femur. <i>Clinical Orthopaedics and Related Research</i> , <b>2003</b> , 406, 237-245	2.2	86
148	The distribution of cartilage thickness in the knee-joints of old-aged individuals -- measurement by A-mode ultrasound. <i>Clinical Biomechanics</i> , <b>1998</b> , 13, 1-10	2.2	85
147	Lateral ankle ligaments and tibiofibular syndesmosis. 13-MHz high-frequency sonography and MRI compared in 20 patients. <i>Acta Orthopaedica</i> , <b>1998</b> , 69, 51-5		82
146	Tissue engineering of the anterior cruciate ligament: a new method using acellularized tendon allografts and autologous fibroblasts. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2007</b> , 127, 735-41	3.6	71
145	Extracorporeal shockwave application to the distal femur of rabbits diminishes the number of neurons immunoreactive for substance P in dorsal root ganglia L5. <i>Brain Research</i> , <b>2008</b> , 1207, 96-101	3.7	70
144	The morphology of articular cartilage assessed by magnetic resonance imaging (MRI). Reproducibility and anatomical correlation. <i>Surgical and Radiologic Anatomy</i> , <b>1994</b> , 16, 429-38		70
143	Cervical spine: postmortem assessment of accident injuries--comparison of radiographic, MR imaging, anatomic, and pathologic findings. <i>Radiology</i> , <b>2001</b> , 221, 340-6	20.5	69
142	Xenogenic transplantation of human mesenchymal stem cells in a critical size defect of the sheep tibia for bone regeneration. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 33-43	3.9	66
141	Assessment of bone quality within the tuberosities of the osteoporotic humeral head: relevance for anchor positioning in rotator cuff repair. <i>American Journal of Sports Medicine</i> , <b>2010</b> , 38, 564-9	6.8	62
140	Characterization of eight different tetracyclines: advances in fluorescence bone labeling. <i>Journal of Anatomy</i> , <b>2010</b> , 217, 76-82	2.9	58
139	Detailed pathological changes of human lumbar facet joints L1-L5 in elderly individuals. <i>European Spine Journal</i> , <b>2006</b> , 15, 308-15	2.7	58
138	Autologous Endothelialized Vein Allograft. <i>Circulation</i> , <b>2001</b> , 104, I-108-I-114	16.7	55
137	Tenomodulin is Required for Tendon Endurance Running and Collagen I Fibril Adaptation to Mechanical Load. <i>EBioMedicine</i> , <b>2017</b> , 20, 240-254	8.8	53
136	Tenocytes of chronic rotator cuff tendon tears can be stimulated by platelet-released growth factors. <i>Journal of Shoulder and Elbow Surgery</i> , <b>2013</b> , 22, 340-9	4.3	52
135	Adipose tissue at entheses: the rheumatological implications of its distribution. A potential site of pain and stress dissipation?. <i>Annals of the Rheumatic Diseases</i> , <b>2004</b> , 63, 1549-55	2.4	51
134	Magnetic resonance chondro-crassometry (MR CCM): a method for accurate determination of articular cartilage thickness?. <i>Magnetic Resonance in Medicine</i> , <b>1996</b> , 35, 89-96	4.4	51
133	Molecular composition and pathology of entheses on the medial and lateral epicondyles of the humerus: a structural basis for epicondylitis. <i>Annals of the Rheumatic Diseases</i> , <b>2004</b> , 63, 1015-21	2.4	48

132	Effects of transforming growth factor beta1 on bonelike tissue formation in three-dimensional cell culture. II: Osteoblastic differentiation. <i>Tissue Engineering</i> , <b>2004</b> , 10, 1414-25		47
131	Generation and characterization of a human acellular meniscus scaffold for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 91, 567-74	5.4	46
130	Local statin therapy differentially interferes with smooth muscle and endothelial cell proliferation and reduces neointima on a drug-eluting stent platform. <i>Cardiovascular Research</i> , <b>2005</b> , 68, 483-92	9.9	45
129	Biocompatibility of ceramic scaffolds for bone replacement made by 3D printing. <i>Materialwissenschaft Und Werkstofftechnik</i> , <b>2005</b> , 36, 781-787	0.9	44
128	Fibrocartilages in the extensor tendons of the interphalangeal joints of human toes. <i>The Anatomical Record</i> , <b>1998</b> , 252, 264-70		43
127	Periosteal thickness and cellularity in mid-diaphyseal cross-sections from human femora and tibiae of aged donors. <i>Journal of Anatomy</i> , <b>2014</b> , 224, 142-9	2.9	42
126	An immunohistochemical study of the extracellular matrix of the tarsal plate in the upper eyelid in human beings. <i>Journal of Anatomy</i> , <b>2005</b> , 206, 37-45	2.9	41
125	The potential of magnetic resonance imaging (MRI) for quantifying articular cartilage thickness -- a methodological study. <i>Clinical Biomechanics</i> , <b>1995</b> , 10, 434-440	2.2	41
124	Analysis of titanium and other metals in human jawbones with dental implants - A case series study. <i>Dental Materials</i> , <b>2016</b> , 32, 1042-51	5.7	40
123	Biomechanical comparison of menisci from different species and artificial constructs. <i>BMC Musculoskeletal Disorders</i> , <b>2013</b> , 14, 324	2.8	40
122	Radial Shock Wave Devices Generate Cavitation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140541	3.7	37
121	Fibrocartilage in the extensor tendons of the human metacarpophalangeal joints. <i>The Anatomical Record</i> , <b>1999</b> , 256, 139-45		37
120	The use of four-colour immunofluorescence techniques to identify mesenchymal stem cells. <i>Journal of Anatomy</i> , <b>2004</b> , 204, 133-9	2.9	35
119	Fibrocartilage in the transverse ligament of the human atlas. <i>Spine</i> , <b>2001</b> , 26, 1765-71	3.3	35
118	In vivo animal trials with a scanning CO2 laser osteotome. <i>Lasers in Surgery and Medicine</i> , <b>2005</b> , 37, 144-83.6		34
117	Physiological incongruity of the humero-ulnar joint: a functional principle of optimized stress distribution acting upon articulating surfaces?. <i>Anatomy and Embryology</i> , <b>1993</b> , 188, 449-55		34
116	Stem cells and bFGF in tendon healing: Effects of lentiviral gene transfer and long-term follow-up in a rat Achilles tendon defect model. <i>BMC Musculoskeletal Disorders</i> , <b>2016</b> , 17, 148	2.8	33
115	Influence of extracorporeal shock-wave application on normal bone in an animal model in vivo. Scintigraphy, MRI and histopathology. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>2002</b> , 84, 592-9		33

114	Development of a novel biodegradable porous iron-based implant for bone replacement. <i>Scientific Reports</i> , <b>2020</b> , 10, 9141	4.9	30
113	Substance P and prostaglandin E2 release after shock wave application to the rabbit femur. <i>Clinical Orthopaedics and Related Research</i> , <b>2003</b> , 237-45	2.2	30
112	Tissue engineering of the anterior cruciate ligament-sodium dodecyl sulfate-acellularized and revitalized tendons are inferior to native tendons. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 1031-40	3.9	29
111	Dose-dependent new bone formation by extracorporeal shock wave application on the intact femur of rabbits. <i>European Surgical Research</i> , <b>2008</b> , 41, 44-53	1.1	29
110	Effect of surface topography on removal of cortical bone screws in a novel sheep model. <i>Journal of Orthopaedic Research</i> , <b>2008</b> , 26, 1377-83	3.8	29
109	Thickness of the subchondral mineralised tissue zone (SMZ) in normal male and female and pathological human patellae. <i>Journal of Anatomy</i> , <b>1998</b> , 192 ( Pt 1), 81-90	2.9	28
108	Morphomechanics of the humero-ulnar joint: I. Joint space width and contact areas as a function of load and flexion angle. <i>The Anatomical Record</i> , <b>1995</b> , 243, 318-26		28
107	COVID-19 and anatomy: Stimulus and initial response. <i>Journal of Anatomy</i> , <b>2020</b> , 237, 393-403	2.9	27
106	Dose-related effects of extracorporeal shock waves on rabbit quadriceps tendon integrity. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2002</b> , 122, 436-41	3.6	27
105	An immunohistochemical study of the triangular fibrocartilage complex of the wrist: regional variations in cartilage phenotype. <i>Journal of Anatomy</i> , <b>2007</b> , 211, 1-7	2.9	26
104	Stem cells and basic fibroblast growth factor failed to improve tendon healing: an in vivo study using lentiviral gene transfer in a rat model. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2014</b> , 96, 761-9	5.6	25
103	Physicobiochemical synergism through gene therapy and functional tissue engineering for in vitro chondrogenesis. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 2513-24	3.9	25
102	Thickness distribution of the subchondral mineralization zone of the trochlear notch and its correlation with the cartilage thickness: an expression of functional adaptation to mechanical stress acting on the humeroulnar joint?. <i>The Anatomical Record</i> , <b>1997</b> , 248, 189-97		25
101	Magnetic resonance imaging of entheses. Part 1. <i>Clinical Radiology</i> , <b>2008</b> , 63, 691-703	2.9	25
100	Effects of transforming growth factor beta1 on bonelike tissue formation in three-dimensional cell culture. I. Culture conditions and tissue formation. <i>Tissue Engineering</i> , <b>2004</b> , 10, 1399-413		25
99	Mesenchymal stem cells. <i>Bulletin of Experimental Biology and Medicine</i> , <b>2002</b> , 133, 103-9	0.8	25
98	Intracellular uptake and toxicity of three different Titanium particles. <i>Dental Materials</i> , <b>2015</b> , 31, 734-44	5.7	24
97	Material properties of and tissue reaction to the Slocum TPLO plate. <i>American Journal of Veterinary Research</i> , <b>2006</b> , 67, 1258-65	1.1	24

96	Influence of in vitro cultivation on the integration of cell-matrix constructs after subcutaneous implantation. <i>Tissue Engineering</i> , <b>2007</b> , 13, 1059-67		24
95	Fibrocartilage at the entheses of the suprascapular (superior transverse scapular) ligament of man--a ligament spanning two regions of a single bone. <i>Journal of Anatomy</i> , <b>2001</b> , 199, 539-45	2.9	24
94	Evaluation of an injectable thermoresponsive hyaluronan hydrogel in a rabbit osteochondral defect model. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 1469-78	5.4	23
93	Distribution of magnetic remanence carriers in the human brain. <i>Scientific Reports</i> , <b>2018</b> , 8, 11363	4.9	23
92	Local cyclin-dependent kinase inhibition by flavopiridol inhibits coronary artery smooth muscle cell proliferation and migration: Implications for the applicability on drug-eluting stents to prevent neointima formation following vascular injury. <i>FASEB Journal</i> , <b>2004</b> , 18, 1285-7	0.9	23
91	Titanium and zirconium release from titanium- and zirconia implants in mini pig maxillae and their toxicity in vitro. <i>Dental Materials</i> , <b>2020</b> , 36, 402-412	5.7	22
90	Bone response to functionally loaded, two-piece zirconia implants: A preclinical histometric study. <i>Clinical Oral Implants Research</i> , <b>2018</b> , 29, 277-289	4.8	21
89	Long-term reaction to bone cement in osteoporotic bone: new bone formation in vertebral bodies after vertebroplasty. <i>Journal of Anatomy</i> , <b>2008</b> , 212, 697-701	2.9	21
88	Translating Periosteum's Regenerative Power: Insights From Quantitative Analysis of Tissue Genesis With a Periosteum Substitute Implant. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 1739-1749	6.9	21
87	Fibrocartilage in the transverse ligament of the human acetabulum. <i>Journal of Anatomy</i> , <b>2001</b> , 198, 223-8.9	8.9	20
86	Does footprint preparation influence tendon-to-bone healing after rotator cuff repair in an animal model?. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2014</b> , 30, 188-94	5.4	19
85	Age and gender as determinants of the bone quality of the greater tuberosity: a HR-pQCT cadaver study. <i>BMC Musculoskeletal Disorders</i> , <b>2012</b> , 13, 221	2.8	19
84	Matrix-guided cartilage regeneration in chondral defects. <i>Biotechnology and Applied Biochemistry</i> , <b>2009</b> , 53, 63-70	2.8	19
83	Varying regional topology within knee articular chondrocytes under simulated in vivo conditions. <i>Tissue Engineering - Part A</i> , <b>2011</b> , 17, 451-61	3.9	19
82	Transient Bone Marrow Edema Syndrome versus Osteonecrosis: Perfusion Patterns at Dynamic Contrast-enhanced MR Imaging with High Temporal Resolution Can Allow Differentiation. <i>Radiology</i> , <b>2017</b> , 283, 478-485	20.5	18
81	Cerebellar granule cells are generated postnatally in humans. <i>Brain Structure and Function</i> , <b>2014</b> , 219, 1271-86	4	18
80	Biomechanical and immunohistochemical analysis of high hydrostatic pressure-treated Achilles tendons. <i>Journal of Orthopaedic Science</i> , <b>2006</b> , 11, 380-5	1.6	18
79	Magnetic resonance imaging of entheses. Part 2. <i>Clinical Radiology</i> , <b>2008</b> , 63, 704-11	2.9	17

78	Biomechanical and immunohistochemical properties of meniscal cartilage after high hydrostatic pressure treatment. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2008</b> , 87, 19-23 <sup>5</sup>		17
77	Effects of hedgehog proteins on tissue engineering of cartilage in vitro. <i>Tissue Engineering</i> , <b>2002</b> , 8, 561-72		17
76	Evaluation of Hard and Soft Tissue Dimensions Around Zirconium Oxide Implant-Supported Crowns: A 1-Year Retrospective Study. <i>Journal of Periodontology</i> , <b>2016</b> , 87, 511-8	4.6	16
75	Histomorphometric Assessment of Cancellous and Cortical Bone Material Distribution in the Proximal Humerus of Normal and Osteoporotic Individuals: Significantly Reduced Bone Stock in the Metaphyseal and Subcapital Regions of Osteoporotic Individuals. <i>Medicine (United States)</i> , <b>2015</b> , 94, e2043	1.8	16
74	Expression of extracellular matrix molecules typical of articular cartilage in the human scapholunate interosseous ligament. <i>Journal of Anatomy</i> , <b>2006</b> , 208, 671-9	2.9	16
73	Immunohistochemical analysis of the extracellular matrix in the posterior capsule of the zygapophysial joints in patients with degenerative L4-5 motion segment instability. <i>Journal of Neurosurgery: Spine</i> , <b>2003</b> , 99, 27-33	2.8	16
72	PEGylation does not impair insulin efficacy in three-dimensional cartilage culture: an investigation toward biomimetic polymers. <i>Tissue Engineering</i> , <b>2004</b> , 10, 429-40		16
71	Impaired tensile strength after shock-wave application in an animal model of tendon calcification. <i>Ultrasound in Medicine and Biology</i> , <b>2001</b> , 27, 665-71	3.5	16
70	Expression of a wide range of fibrocartilage molecules at the entheses of the alar ligaments - possible antigenic targets for rheumatoid arthritis?. <i>Journal of Rheumatology</i> , <b>2003</b> , 30, 1420-5	4.1	16
69	Resurfacing of the humeral head: An analysis of the bone stock and osseous integration under the implant. <i>Journal of Orthopaedic Research</i> , <b>2015</b> , 33, 1382-90	3.8	15
68	Cartilage regeneration by bone marrow cells-seeded scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 95, 735-40	5.4	15
67	Fibrin glue in coronary artery bypass grafting operations: casting out the Devil with Beelzebub?. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2007</b> , 32, 567-72	3	15
66	Low-carbohydrate, high-fat diets have sex-specific effects on bone health in rats. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 2307-20	5.2	14
65	In Vitro Comparison of 2D-Cell Culture and 3D-Cell Sheets of Scleraxis-Programmed Bone Marrow Derived Mesenchymal Stem Cells to Primary Tendon Stem/Progenitor Cells for Tendon Repair. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	14
64	Ploxamer-based hydrogels hardening at body core temperature as carriers for cell based therapies: in vitro and in vivo analysis. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2013</b> , 24, 2223-34 <sup>5</sup>		14
63	Comparison of the immature sheep spine and the growing human spine: a spondylometric database for growth modulating research. <i>Spine</i> , <b>2010</b> , 35, E1262-72	3.3	14
62	Morphometric studies of the ligamentum flavum: a correlative microanatomical and MRI study of the lumbar spine. <i>Zentralblatt Fur Neurochirurgie</i> , <b>2007</b> , 68, 200-4		14
61	An immunohistochemical study of the extracellular matrix of entheses associated with the human pisiform bone. <i>Journal of Anatomy</i> , <b>2008</b> , 212, 645-53	2.9	13

60	Autologous endothelialized vein allografts in coronary artery bypass surgery - Long term results. <i>Biomaterials</i> , <b>2019</b> , 212, 87-97	15.6	12
59	Osteointegration of a modular metal-polyethylene surface gliding finger implant: a case report. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2016</b> , 136, 1331-1335	3.6	12
58	Comparison of imaging methods used for dental implant osseous integration assessment. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2013</b> , 24, 2195-200	4.5	11
57	Effects of selective paralysis of the supraspinatus muscle using botulinum neurotoxin a in rotator cuff healing in rats. <i>Journal of Orthopaedic Research</i> , <b>2013</b> , 31, 716-23	3.8	11
56	The structure of the coracoacromial ligament: fibrocartilage differentiation does not necessarily mean pathology. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2008</b> , 18, 16-22	4.6	11
55	Papilla and alveolar crest levels in immediate versus delayed single-tooth zirconia implants. <i>International Journal of Oral and Maxillofacial Surgery</i> , <b>2017</b> , 46, 1039-1044	2.9	10
54	Straight proximal humeral nails are surrounded by more bone stock in comparison to bent nails in an experimental cadaveric study. <i>Patient Safety in Surgery</i> , <b>2014</b> , 8, 18	3	10
53	X-treme CT analysis of cancellous bone at the rotator cuff insertion in human individuals with osteoporosis: superficial versus deep quality. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2013</b> , 133, 381-7	3.6	10
52	A novel implantation technique for engineered osteo-chondral grafts. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2009</b> , 17, 1377-83	5.5	10
51	An immunohistochemical study of the tissue bridging adult spondylolytic defects--the presence and significance of fibrocartilaginous entheses. <i>European Spine Journal</i> , <b>2006</b> , 15, 965-71	2.7	10
50	Dimensions of hard and soft tissue around adjacent, compared with single-tooth, zirconia implants. <i>British Journal of Oral and Maxillofacial Surgery</i> , <b>2018</b> , 56, 43-47	1.4	10
49	Intact numbers of cerebellar purkinje and granule cells in sudden infant death syndrome: a stereologic analysis and critical review of neuropathologic evidence. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2013</b> , 72, 861-70	3.1	9
48	Detection of bone graft failure in lumbar spondylodesis: spatial resolution with high-resolution peripheral quantitative CT. <i>American Journal of Roentgenology</i> , <b>2008</b> , 190, 1255-9	5.4	9
47	Assessing turbine passage effects on internal fish injury and delayed mortality using X-ray imaging. <i>PeerJ</i> , <b>2020</b> , 8, e9977	3.1	9
46	Expression of a wide range of extracellular matrix molecules in the tendon and trochlea of the human superior oblique muscle. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 1330-4		9
45	Influence of osteogenic stimulation and VEGF treatment on in vivo bone formation in hMSC-seeded cancellous bone scaffolds. <i>BMC Musculoskeletal Disorders</i> , <b>2014</b> , 15, 350	2.8	8
44	Effect of graft size on graft fracture rate after anterior lumbar spinal fusion in a sheep model. <i>Injury</i> , <b>2010</b> , 41, 768-71	2.5	8
43	Repair of osteochondral defects in the knee by resorbable bioimplants in a rabbit model. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2006</b> , 77, 981-5	4.3	8



42	Radial extracorporeal shock wave treatment harms developing chicken embryos. <i>Scientific Reports</i> , <b>2015</b> , 5, 8281	4.9	7
41	Behaviour of ChronOSInject in metaphyseal bone defects of distal radius fractures: tissue reaction after 6-15 months. <i>Injury</i> , <b>2012</b> , 43, 1683-8	2.5	7
40	Influence of head size on the development of metallic wear and on the characteristics of carbon layers in metal-on-metal hip joints. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2009</b> , 80, 283-90	4.3	7
39	Importance of a distal centralizer in experimental malpositioning of cemented stems. A biomechanical study on human femora. <i>Archives of Medical Science</i> , <b>2015</b> , 11, 1324-9	2.9	6
38	Visualisation of methacrylate-embedded human bone sections by infrared nanoscopy. <i>Journal of Biophotonics</i> , <b>2014</b> , 7, 418-24	3.1	6
37	Fibrocartilage in various regions of the human glenoid labrum. An immunohistochemical study on human cadavers. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2012</b> , 20, 1036-41	5.5	6
36	Attachment sites of the coracoclavicular ligaments are characterized by fibrocartilage differentiation: a study on human cadaveric tissue. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2012</b> , 22, 12-7	4.6	6
35	Multiscale computational and experimental approaches to elucidate bone and ligament mechanobiology using the ulna-radius-interosseous membrane construct as a model system. <i>Technology and Health Care</i> , <b>2012</b> , 20, 363-78	1.1	6
34	Local photodynamic therapy reduces tissue hyperplasia after stenting in an experimental restenosis model. <i>Basic Research in Cardiology</i> , <b>2002</b> , 97, 132-6	11.8	6
33	Influence of Sutures on Cartilage Integrity: Do Meniscus Sutures Harm Cartilage? An Experimental Animal Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2019</b> , 35, 1509-1516	5.4	6
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